



## OBLIQUE CORRELATION

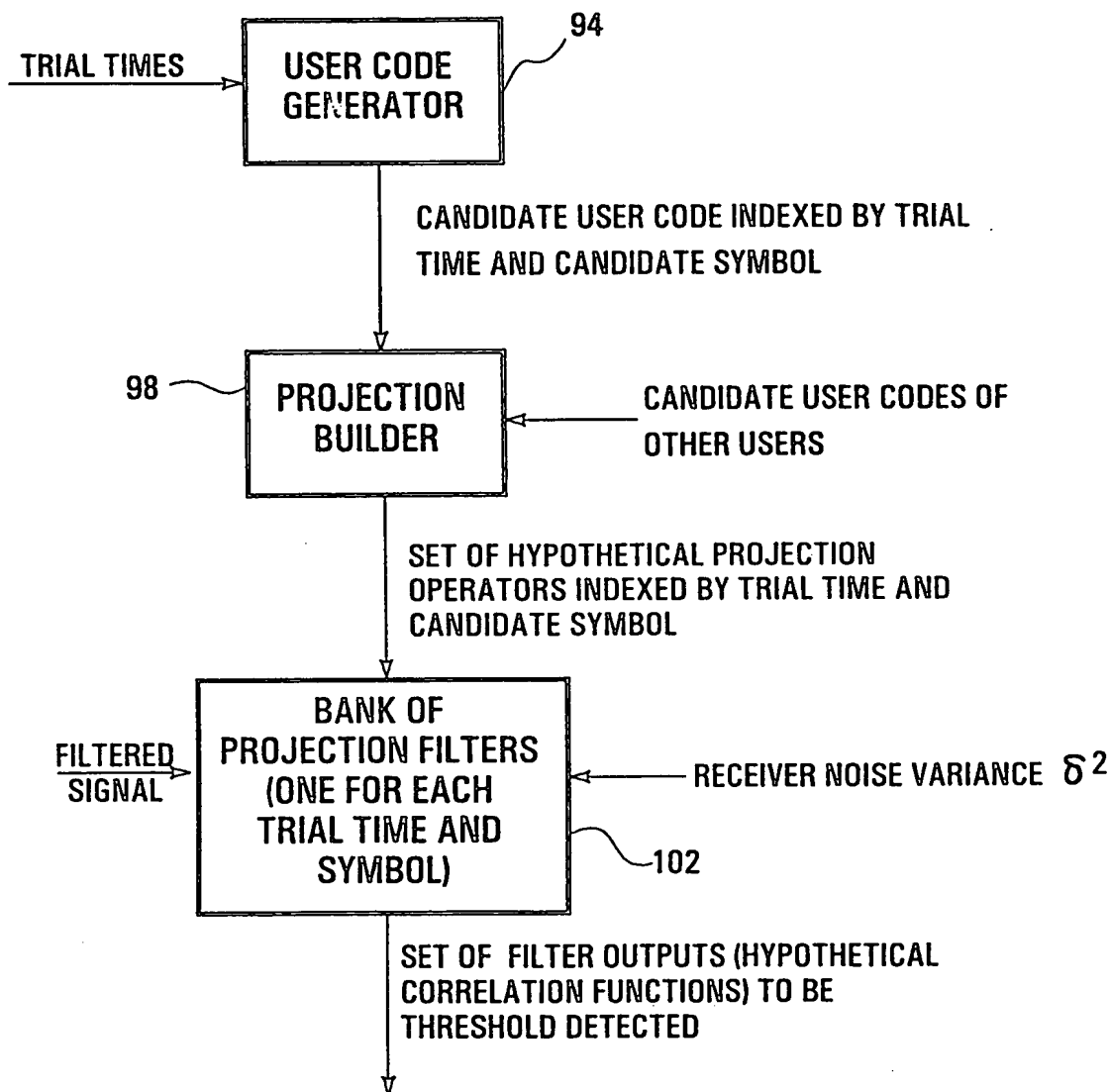


FIG. 2

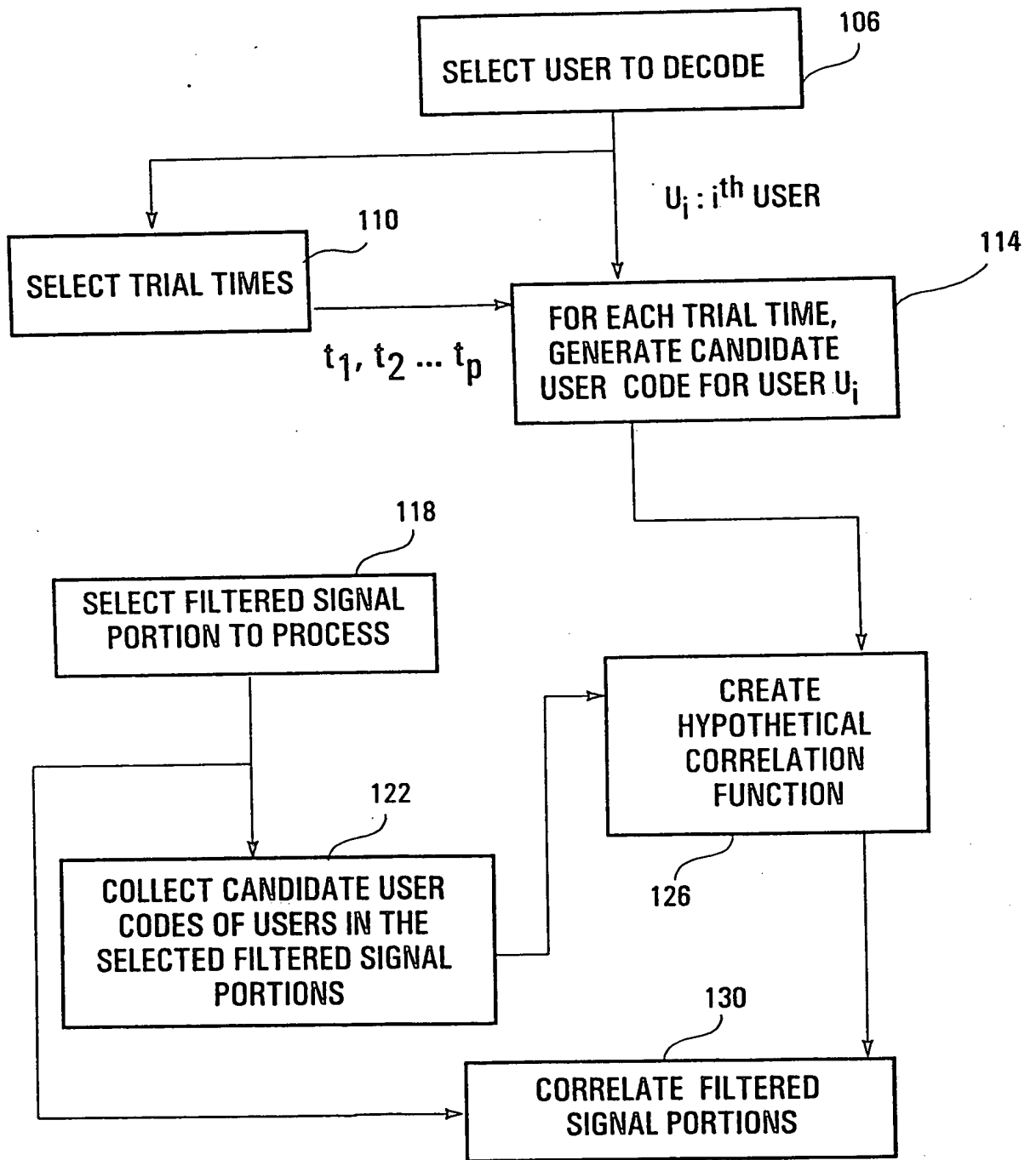


FIG. 3

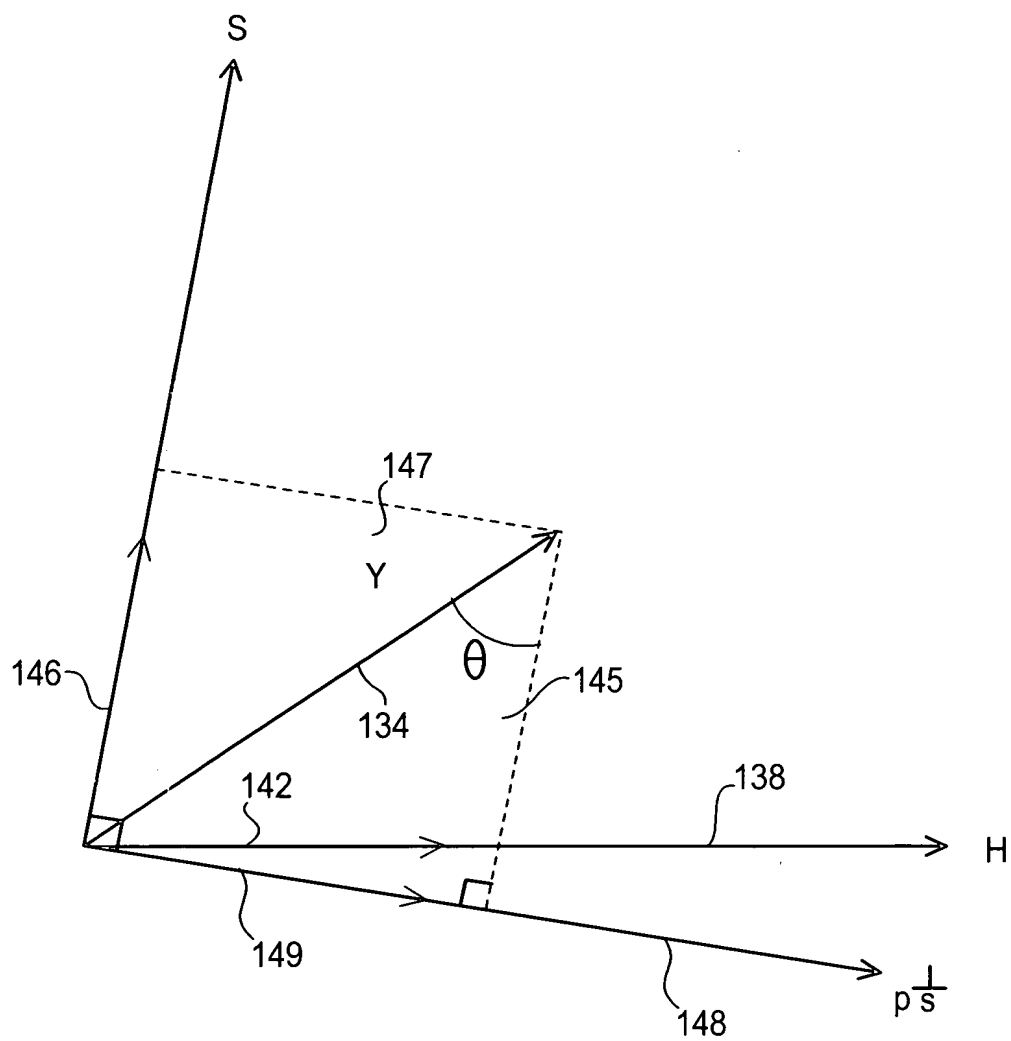


FIG. 4

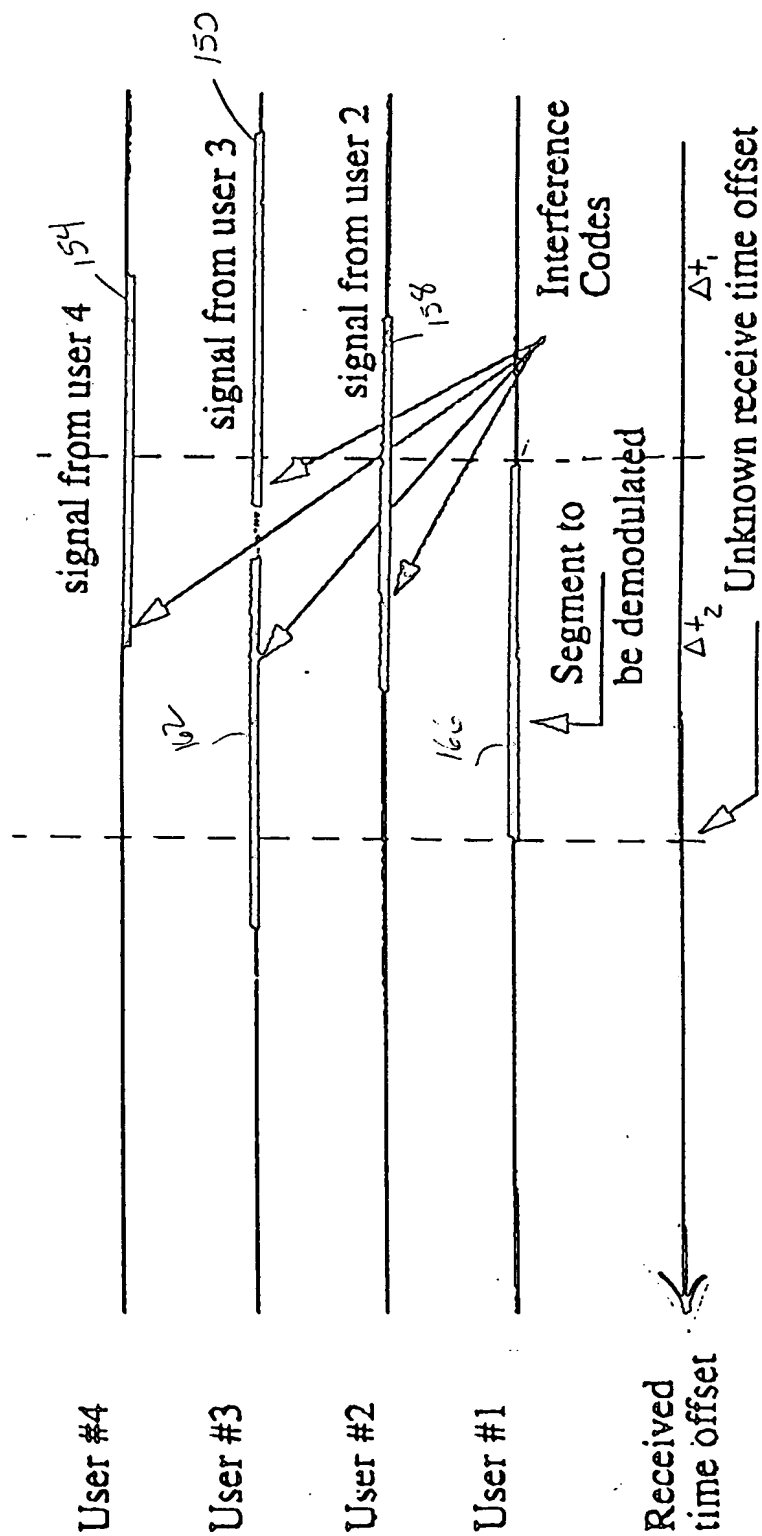
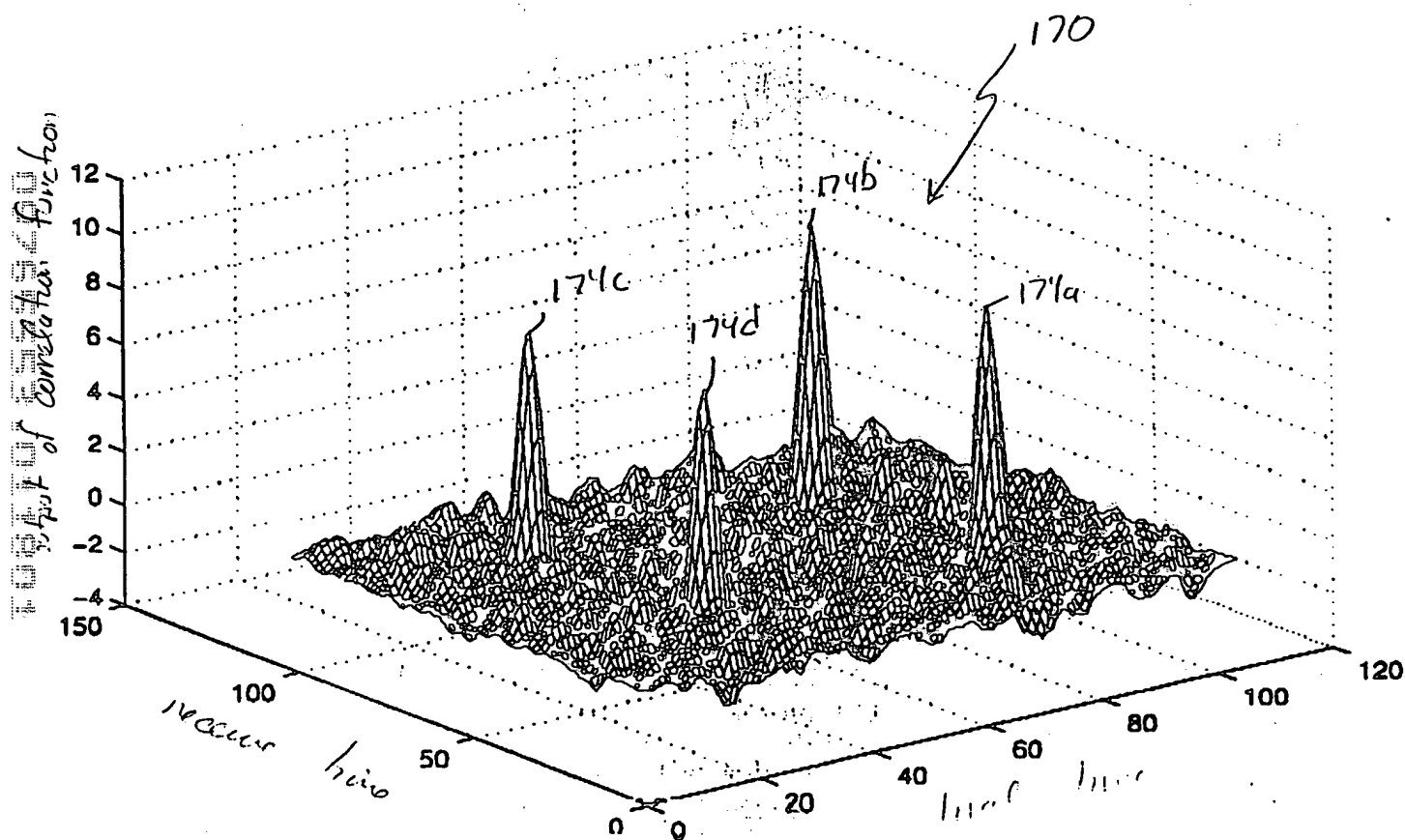


Figure 5



... FIG. 6

FIG. 7

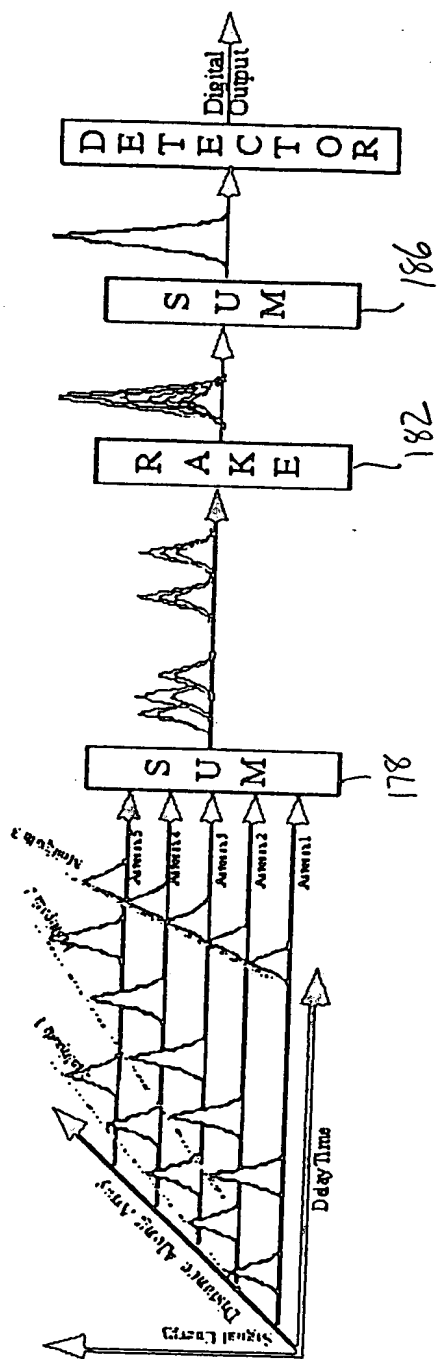


FIGURE 7. Phased RAKE Processing

## OBLIQUE CORRELATION

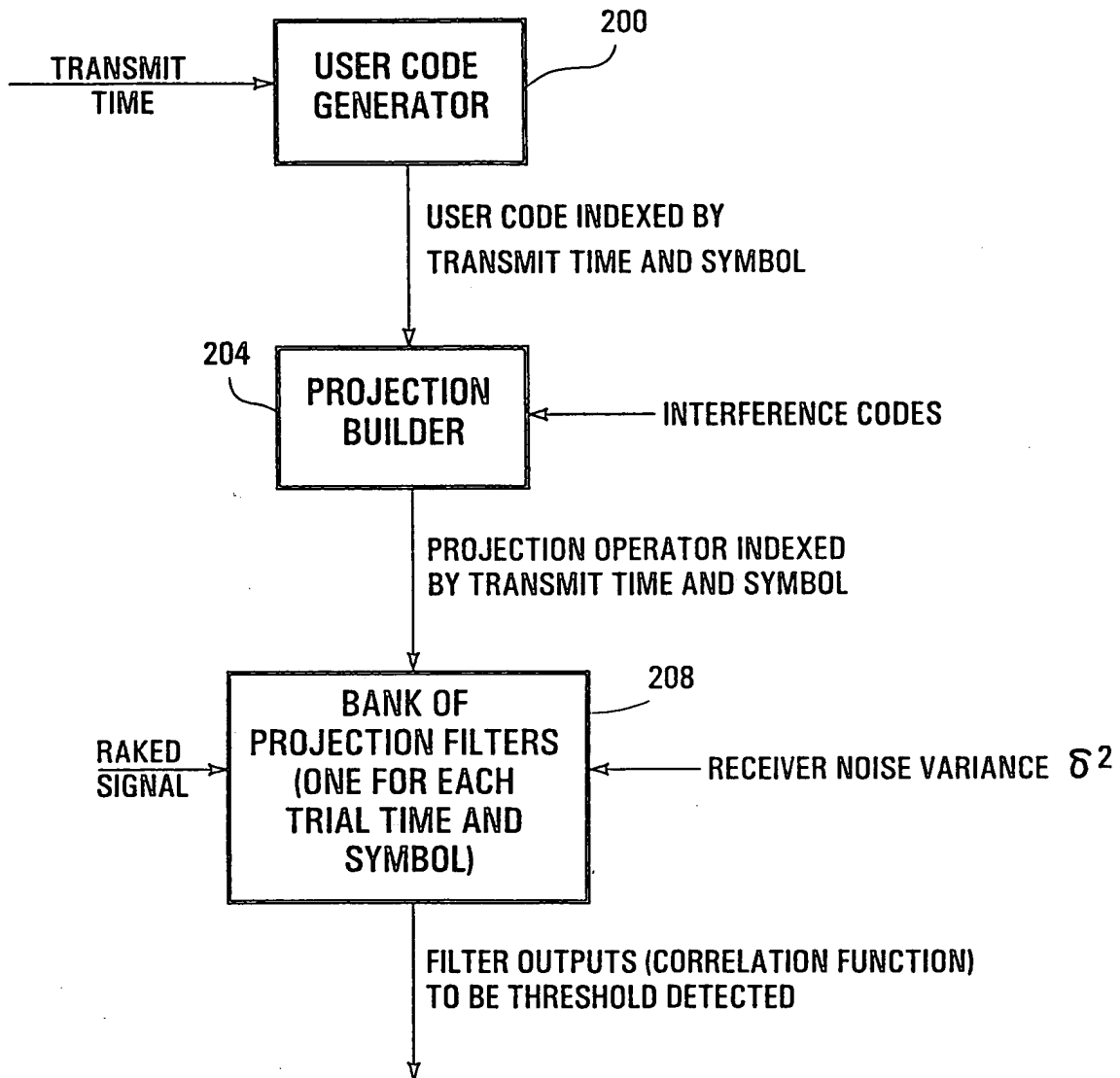


FIG. 8



Output of Correlation

Function

Correlated Output

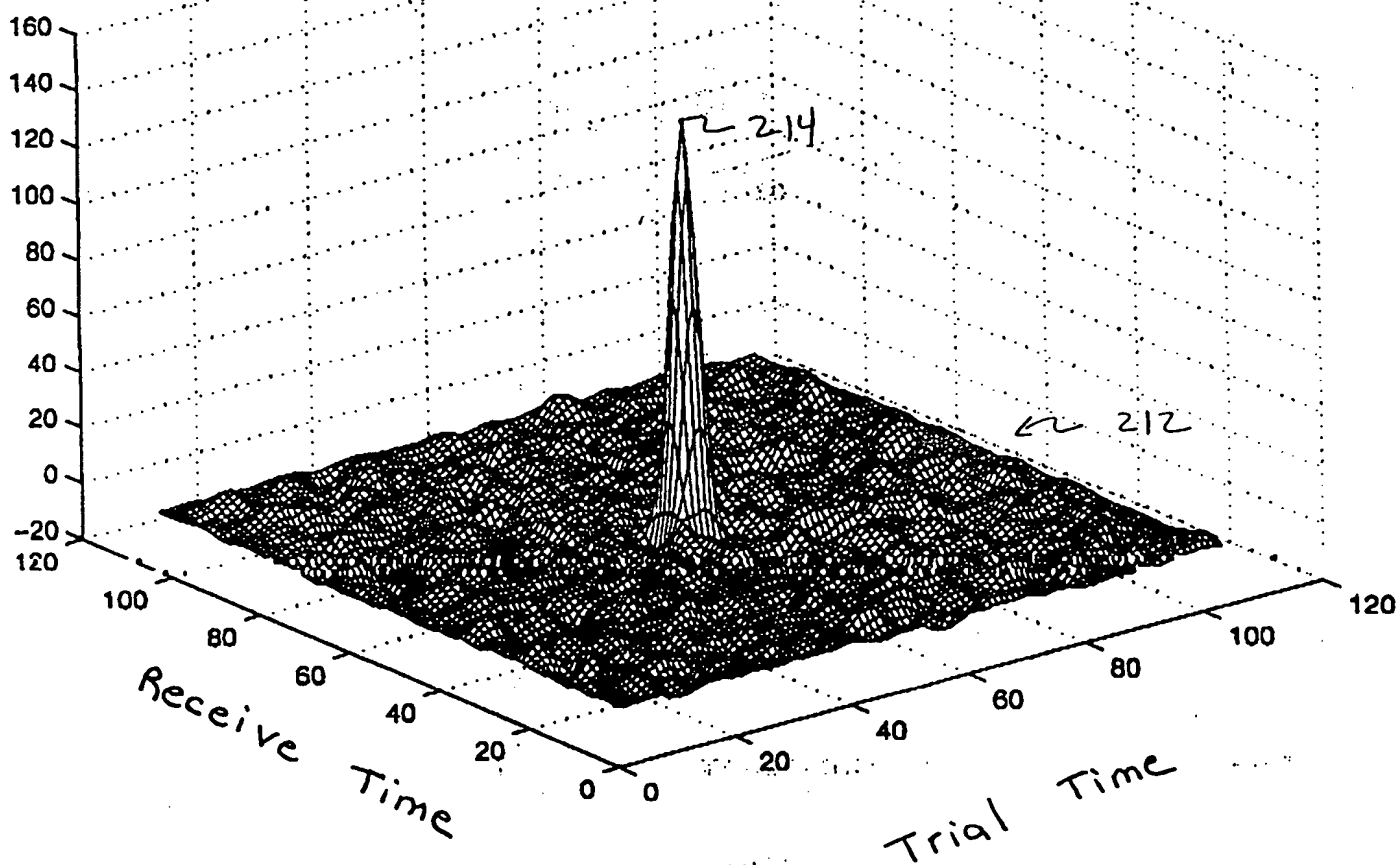


Fig. 9

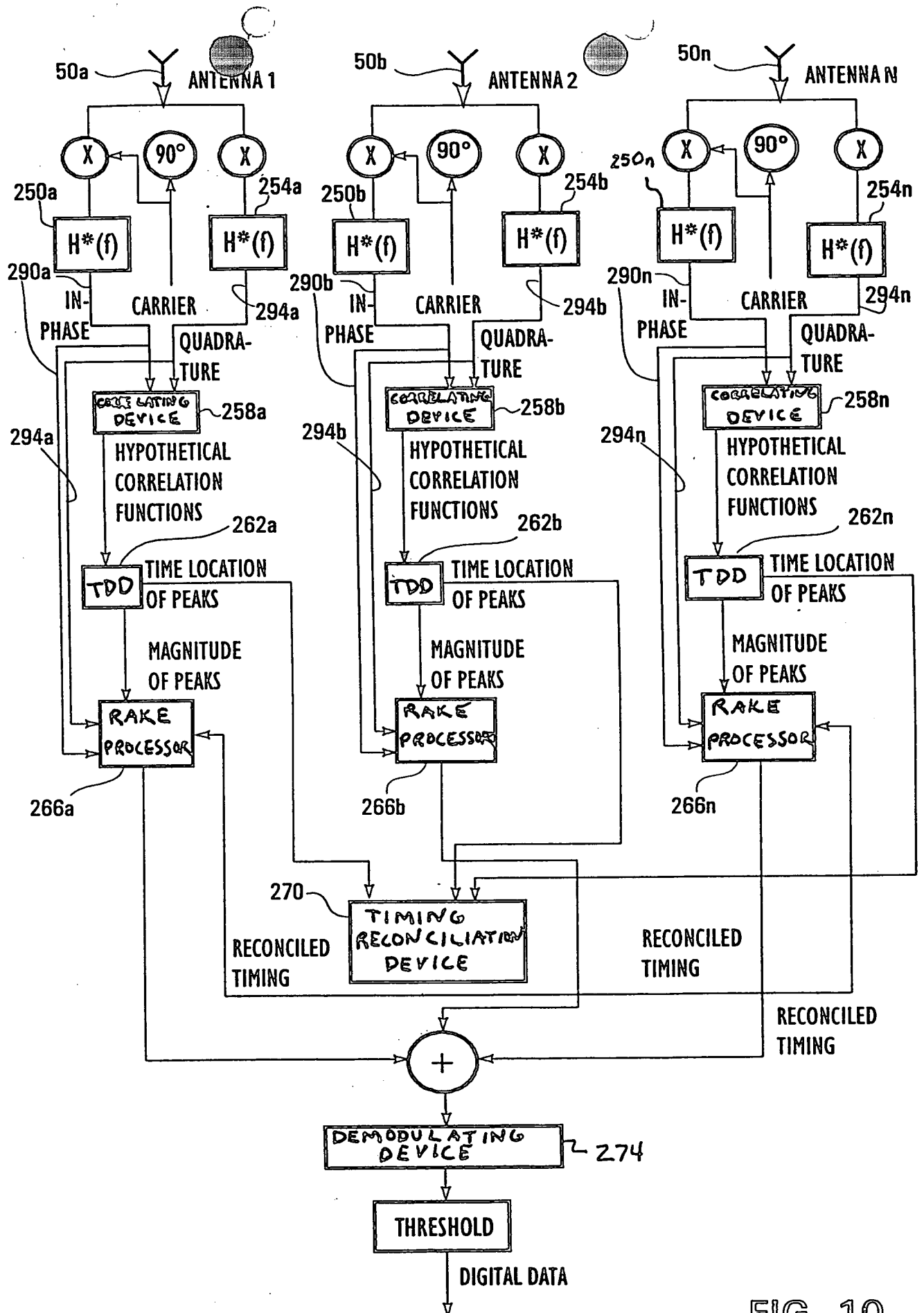


FIG. 10

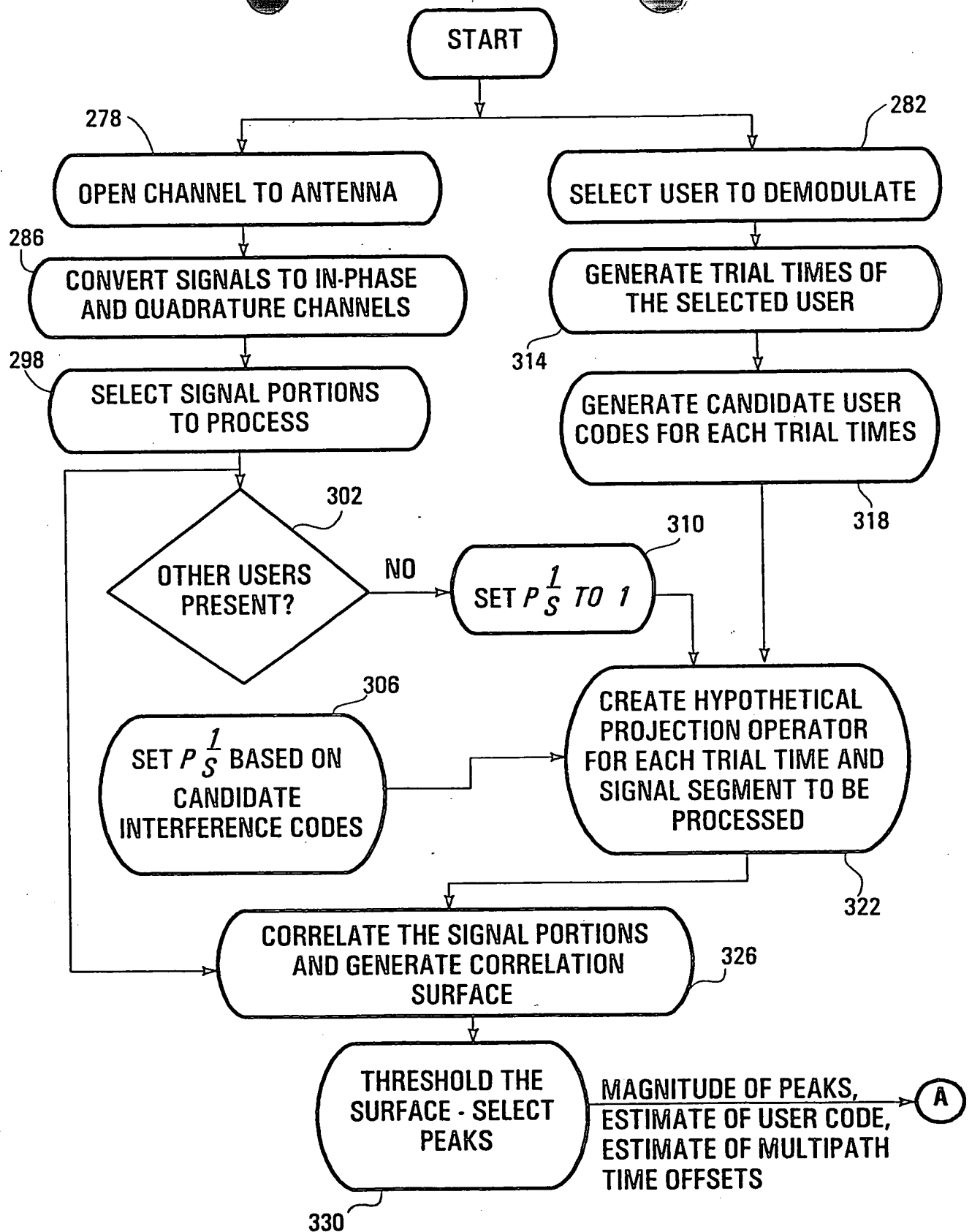


FIG. 11

MAGNITUDE OF PEAKS  
ESTIMATE OF TIME OFFSETS

MULTIPATH TIME OFFSETS FROM ALL THE  
OUTPUTS DERIVED FROM ALL ANTENNAS

A

TIMING RECONCILIATION - TAKE MINIMUM  
OF ALL MULTIPATH TIME OFFSETS

334

SIGNAL PORTIONS

RAKE PROCESSING

338

CORRECT USER  
CODES

CREATE PROJECTION  
OPERATOR FOR EACH  
SIGNAL SEGMENT  
USING CORRECT USER  
CODE AND  
INTERFERENCE CODES

346

COMBINE OUTPUTS FROM  
THE OTHER ANTENNAS

342

CORRELATE THE SIGNAL PORTIONS  
AND GENERATE CORRELATION  
SURFACE

350

CORRECT  
INTERFERENCE  
CODES FROM  
ABOVE

REPEAT PROCESS

THRESHOLD DETECT

354

DIGITAL DATA

FIG. 12